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RAW SEQUENCE LISTING

DATE: 02/26/2002

PATENT APPLICATION: US/09/941,936A

TIME: 13:54:23

#10

Input Set : A:\032301.202.seq.ST25.txt

Output Set: N:\CRF3\02262002\I941936A.raw

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3 <110> APPLICANT: BATHE, Brigitte, et al.
5 <120> TITLE OF INVENTION: NUCLEOTIDE SEQUENCES CODING FOR THE sigD GENE
7 <130> FILE REFERENCE: 032301 WD 202
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/941,936A
C--> 9 <141> CURRENT FILING DATE: 2001-08-30
9 <160> NUMBER OF SEQ ID NOS: 4
11 <170> SOFTWARE: PatentIn version 3.1
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 1109
15 <212> TYPE: DNA
16 <213> ORGANISM: Corynebacterium glutamicum
18 <220> FEATURE:
19 <221> NAME/KEY: CDS
20 <222> LOCATION: (300)..(878)
21 <223> OTHER INFORMATION:
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27 atctacgata tggctctgtg ctgacttctc agacattagc attccttcct tttatgaggg      120
29 ttacctatgg attaatgtctg attgatagtc tacatcagaa tgtcacttcg cgccacaaaa      180
31 taatcagccc ttacgtaaac tgccagcaaa aagacaaaag tatgatactt tttgcccact      240
33 ttgacacccc ctacacacct ttatggtgac cccggtctga actggtattc tgagcaatt      299
35 gtg aag tca aaa gag cgt aac gac gcc cac gtc acc gag ctg gcc cta      347
36 Met Lys Ser Lys Glu Arg Asn Asp Ala His Val Thr Glu Leu Ala Leu
37 1          5          10          15
39 gcc gcc ggc cgt ggc gac cgc gca gct ctc acc gat ttc atc cgg gaa      395
40 Ala Ala Gly Arg Gly Asp Arg Ala Ala Leu Thr Asp Phe Ile Arg Glu
41          20          25          30
43 acc caa gac gat gtc tgg cgt ctc ctc gcc cac ctt ggc ggc cac gaa      443
44 Thr Gln Asp Asp Val Trp Arg Leu Leu Ala His Leu Gly Gly His Glu
45          35          40          45
47 atc gcc gac gat cta acc caa gaa act tat ctg cgg gtc atg agc gcc      491
48 Ile Ala Asp Asp Leu Thr Gln Glu Thr Tyr Leu Arg Val Met Ser Ala
49          50          55          60
51 ctc ccc cgc ttc gca gcg cgc tcc tcg gcg cgt acc tgg cta cta tcg      539
52 Leu Pro Arg Phe Ala Ala Arg Ser Ser Ala Arg Thr Trp Leu Leu Ser
53 65          70          75          80
55 cta gcc cgg cgc gtc tgg gtc gac aac atc cga cac gac atg gca cgc      587
56 Leu Ala Arg Arg Val Trp Val Asp Asn Ile Arg His Asp Met Ala Arg
57          85          90          95
59 ccc cgc aaa tcc atc gtc gaa tac gaa gac acc ggt gcc acc gac gcg      635
60 Pro Arg Lys Ser Ile Val Glu Tyr Glu Asp Thr Gly Ala Thr Asp Ala
61          100          105          110
63 agc aac gca ggc atc tgg tcc gag tgg atc gac gtg cgc acg ctt atc      683

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64 Ser Asn Ala Gly Ile Trp Ser Glu Trp Ile Asp Val Arg Thr Leu Ile
65          115          120          125
67 gac gcc ctc cca ccc gaa cgc cgc gaa gcc ctc atc ctc acc caa gtg      731
68 Asp Ala Leu Pro Pro Glu Arg Arg Glu Ala Leu Ile Leu Thr Gln Val
69      130          135          140
71 ttg ggc tac acc tac gaa gaa gcc gca aaa atc gcc gac gtc cga gtc      779
72 Leu Gly Tyr Thr Tyr Glu Glu Ala Ala Lys Ile Ala Asp Val Arg Val
73 145          150          155          160
75 gga aca atc cgt tcc cgc gta gcc cgc gcc aga gcg gac ctc att gct      827
76 Gly Thr Ile Arg Ser Arg Val Ala Arg Ala Arg Ala Asp Leu Ile Ala
77          165          170          175
79 gca aca gct acc ggt gat tcc tca gcc gaa gat ggc aaa tcc gcc caa      875
80 Ala Thr Ala Thr Gly Asp Ser Ser Ala Glu Asp Gly Lys Ser Ala Gln
81          180          185          190
83 ggt tagcagatga gctacgtcaa cggcgtaatc ccttaaccag attgctaatt      928
84 Gly
87 tacagttcta ttttgctgct cgatcaaagc gactcttacc caccctagaa tcctttgacc      988
89 gcatcaacac tttgttttta tctaaaactg aatctttaat ttttacgctc gcagatgatt      1048
91 ttcctccagc aatggaagta ataaccccg cccgaacgac agctcttcga ggtgcgcttc      1108
93 c      1109
96 <210> SEQ ID NO: 2
97 <211> LENGTH: 193
98 <212> TYPE: PRT
99 <213> ORGANISM: Corynebacterium glutamicum
101 <400> SEQUENCE: 2
103 Met Lys Ser Lys Glu Arg Asn Asp Ala His Val Thr Glu Leu Ala Leu
104 1          5          10          15
107 Ala Ala Gly Arg Gly Asp Arg Ala Ala Leu Thr Asp Phe Ile Arg Glu
108          20          25          30
111 Thr Gln Asp Asp Val Trp Arg Leu Leu Ala His Leu Gly Gly His Glu
112          35          40          45
115 Ile Ala Asp Asp Leu Thr Gln Glu Thr Tyr Leu Arg Val Met Ser Ala
116          50          55          60
119 Leu Pro Arg Phe Ala Ala Arg Ser Ser Ala Arg Thr Trp Leu Leu Ser
120 65          70          75          80
123 Leu Ala Arg Arg Val Trp Val Asp Asn Ile Arg His Asp Met Ala Arg
124          85          90          95
127 Pro Arg Lys Ser Ile Val Glu Tyr Glu Asp Thr Gly Ala Thr Asp Ala
128          100          105          110
131 Ser Asn Ala Gly Ile Trp Ser Glu Trp Ile Asp Val Arg Thr Leu Ile
132          115          120          125
135 Asp Ala Leu Pro Pro Glu Arg Arg Glu Ala Leu Ile Leu Thr Gln Val
136          130          135          140
139 Leu Gly Tyr Thr Tyr Glu Glu Ala Ala Lys Ile Ala Asp Val Arg Val
140 145          150          155          160
143 Gly Thr Ile Arg Ser Arg Val Ala Arg Ala Arg Ala Asp Leu Ile Ala
144          165          170          175
147 Ala Thr Ala Thr Gly Asp Ser Ser Ala Glu Asp Gly Lys Ser Ala Gln
148          180          185          190

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151 Gly  
155 <210> SEQ ID NO: 3  
156 <211> LENGTH: 28  
157 <212> TYPE: DNA  
158 <213> ORGANISM: Corynebacterium glutamicum  
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161 acggtacccc ctacacacct ttatggtg 28  
164 <210> SEQ ID NO: 4  
165 <211> LENGTH: 28  
166 <212> TYPE: DNA  
167 <213> ORGANISM: Corynebacterium glutamicum  
169 <400> SEQUENCE: 4  
170 gctctagagt tgacgtagct catctgct 28

VERIFICATION SUMMARY

DATE: 02/26/2002

PATENT APPLICATION: US/09/941,936A

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Input Set : A:\032301.202.seq.ST25.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date